# 21st century technology turns sunlight into power.



This **NEW YORK** office building constructed in the 1990s features a photovoltaic skin, a solar electricity-generating system that uses thinfilm photovoltaic panels to replace traditional glass cladding material. The photovoltaic curtain wall extends along sections of the 35th to the 48th floors of the south and east walls making it a highly visible part of the city's skyline.



The Indian Creek Nature Center in **IOWA** annually hosts about 50,000 visitors who come to watch 50 to 75 gallons of maple syrup being made in this

Vermont-style maple sugar house with energy generated from a 940 watt grid-connected, rooftop photovoltaic system.

#### For more information:



Visit the Department of Energy's

Energy Efficiency and Renewable Energy
website at: www.eren.doe.gov

Call or email the Energy Efficiency
and Renewable Energy Clearinghouse at:
1.800.363.3732
doe.erec@nciinc.com



DOE/GO-102001-1314 NREL/BR-710-30175

In your area, contact:

## Solar Electricity

For Commercial Applications



Reliable and dependable power for the biggest buildings. Aesthetic power for the most beautiful buildings. Environmentally safe power for every one.



space, the Mauna
Lani Bay Hotel in HAWAII is
the perfect host for a building-integrated
photovoltaic system. Nearly 10,000 square
feet of insulating photovoltaic roof tiles generate about 100 kilowatts of electricity saving
the hotel enough in utility bills to pay for the
system in five years.



Clean Energy for the 21st Century

## **Photovoltaics**

Solar Electricity

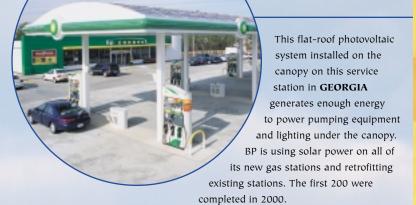
## The Right Choice for Business

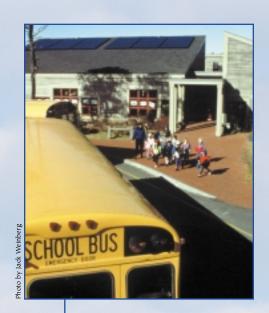
"Since the early 1980s, Applebee's has been building friendly neighborhood restaurants that are enjoyed by hundreds of communities throughout the United States. As we plan for our common future, we recognize the importance of protecting our environment and are very proud to be a leader in integrating green solar energy technologies into our restaurants."

— Abe J. Gustin, Jr. Chairman and Co-CEO, Applebee's International



Applebee's Restaurant in hurricane-prone **NORTH CAROLINA** incorporates a roof-integrated photovoltaic system that reduces peak energy demand and associated utility costs.





Besides saving energy, the photovoltaic system at this **MASSACHUSETTS** elementary school provides an excellent teaching tool.

# Clean Energy 1ergy

Commercial photovoltaic systems produce clean energy that can help to improve air quality. By incorporating a non-polluting photovoltaic system into your building and offsetting the generation of electricity from fossil fuel sources, you and your company can honor and maintain the environmental integrity of our Planet. To reduce capital costs, the system may qualify for a 10% federal investment tax credit.

#### Versatile. 1 e

Photovoltaics, or PV for short, can be sized for any need and installed almost anywhere.

### Reliable.

Photovoltaics have no moving parts and are virtually maintenance free. Most manufacturers offer 20 to 25 year warranties on modules.

## Dépendable. a b le

During power outages, photovoltaic systems can provide power for lights, refrigeration, cash registers, security systems and computers.

## Attractive. tive

Today's technology integrates with your building design and architecture. Architectural photovoltaic modules are available as framed glass, flexible roof shingles, raised seam metal roofing panels and composite roof slates.